AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1   1. (Currently amended) An automated method of dynamically selecting a
2   level of compression to be applied to data to be transmitted, the method
3   comprising:
4   receiving a data request at a server configured to serve data;
5   identifying a bandwidth associated with a communication link coupling
6   the server to a requestor that originated the data request;
7   determining an amount of data requested in the data request;
8   determining how busy the server is;
9   determining whether the requested data is cacheable at a location between
10   the server and a client;
11   dynamically selecting a level of compression to apply to the ~~set~~
12   ~~of~~requested data based on the ~~determined~~ identified bandwidth and whether the
13   data is cacheable at a location between the server and the client, wherein if the
14   data is cacheable, a specified compression level, which is higher than a
15   compression level used for data that is not cacheable, is applied; and
16   compressing the requested data using the selected level of compression.

1   2 (Canceled).

1   3. (Previously presented) The automated method of claim 1, wherein said

2 identifying comprises transferring a known quantity of data between the server

3 and the requestor.

1   4. (Previously presented) The automated method of claim 1, wherein said

2 identifying comprises retrieving the bandwidth from a database.

1   5. (Previously presented) The automated method of claim 1, wherein said

2 dynamically selecting comprises identifying a level of compression suitable for

3 the bandwidth.

1   6. (Currently amended) A computer readable medium storing instructions

2 that, when executed by a computer, cause the computer to perform a method of

3 dynamically selecting a level of compression to be applied to data to be

4 transmitted, wherein the computer readable medium includes volatile random

5 access memory (RAM), non-volatile read only memory (ROM), and disks, the

6 method comprising:

7   receiving a data request at a server configured to serve data;

8   identifying a bandwidth associated with a communication link coupling

9 the server to a requestor that originated the data request;

10   determining an amount of data requested in the data request;

11   determining how busy the server is;

12   determining whether the requested data is cacheable at a location between

13 the server and a client;

14   dynamically selecting a level of compression to apply to the ~~set~~

15 ~~of~~requested data based on the ~~determined~~ identified bandwidth and whether the

16 data is cacheable at a location between the server and the client, wherein if the

17   data is cacheable, a specified compression level, which is higher than a

18   compression level used for data that is not cacheable, is applied; and

19   compressing the requested data using the selected level of compression.

1   7. (Currently amended) A computer-implemented method of dynamically

2   selecting a level of compression to apply to a set of data, the computer-

3   implemented method comprising:

4   receiving from a client a request for a set of data;

5   determining a bandwidth available on a communication link used by the

6   client;

7   determining whether the ~~requested~~ set of data is cacheable at a location

8   between ~~the~~ a server and a client;

9   based on the determined bandwidth and whether the set of data is

10   cacheable at a location between the server and the client, dynamically selecting a

11   level of compression to apply to the ~~set of~~ requested data, wherein if the data is

12   cacheable, a specified compression level, which is higher than a compression level

13   used for data that is not cacheable, is applied; and

14   compressing the set of data using the selected level of compression prior to

15   transmitting the set of data toward the client.

1   8. (Previously presented) The computer-implemented method of claim 7,

2   wherein the dynamically selected level of compression is inversely proportional to

3   the determined bandwidth.

1   9. (Previously presented) The computer-implemented method of claim 7,

2   further comprising:

3   determining whether the set of data is cacheable;

4   wherein a higher level of compression is dynamically selected if the set of

5   data is cacheable than if the set of data is not cacheable.

1   10. (Previously presented) The computer-implemented method of claim 9,

2   wherein said determining comprises:

3   transferring to the client a data object having a known size; and

4   measuring an amount of time required for the transfer.

1   11. (Previously presented) The computer-implemented method of claim 9,

2   wherein said determining comprises:

3   using an identity of the client, retrieving from a data collection a

4   bandwidth associated with the identity.

1   12. (Currently amended) A computer readable medium storing instructions

2   that, when executed by a computer, cause the computer to perform a method of

3   dynamically selecting a level of compression to apply to a set of data, wherein the

4   computer readable medium includes volatile random access memory (RAM), non-

5   volatile read only memory (ROM), and disks, the method comprising:

6   receiving from a client a request for a set of data;

7   determining a bandwidth available on a communication link used by the

8   client;

9   determining whether the ~~requested~~ set of data is cacheable at a ~~locaton~~

10   location between ~~the~~ a server and a client;

11   based on the determined bandwidth and whether the set of data is

12   cacheable at a ~~locaton~~ location between the server and a client, dynamically

13   selecting a level of compression to apply to the set of data, wherein if the data is

14   cacheable, a specified compression level, which is higher than a compression level

15   used for data that is not cacheable, is applied; and

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16   compressing the set of data using the selected level of compression prior to

17   transmitting the set of data toward the client.

1   13. (Currently amended) An apparatus for dynamically selecting a level of

2   compression to be applied to data to be transmitted from the apparatus,

3   comprising:

4   a compression module configured to compress, with a specified level of

5   compression, a set of data to be transmitted to a data requestor; and

6   a dynamic compression selection module configured to dynamically select

7   said level of compression based on a bandwidth associated with a communication

8   link employed by the data requestor and based on whether the data is cacheable at

9   a ~~locationbetween~~ location between a the server and a client, wherein if the data is

10   cacheable, a specified compression level, which is higher than a compression level

11   used for data that is not cacheable, is applied.

1   14. (Original) The apparatus of claim 13, further comprising:

2   a bandwidth determination module configured to determine the bandwidth

3   of a communication link used by the data requestor.

1   15. (Original) The apparatus of claim 14, wherein said bandwidth

2   determination module is configured to calculate the bandwidth by transferring a

3   known quantity of data between the data requestor and the apparatus.

1   16. (Original) The apparatus of claim 14, wherein said bandwidth

2   determination module is configured to retrieve the bandwidth from a database

3   configured to identify bandwidths associated with data requestors' communication

4   links.

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1   17. (Previously presented) The apparatus of claim 13, wherein the

2 apparatus is configured to determine a size of the set of data.

1   18. (Previously presented) The apparatus of claim 13, wherein the

2 apparatus is configured to determine whether the set of data is cacheable.